

ABSTRACT OF THE DISCLOSURE

A mobile terminal includes a primary transceiver to communicate with a mobile communication network and a secondary transceiver to communicate with a base unit of a cordless telephone system. When the mobile terminal is out of range of the base unit, it

5 searches or listens for the base unit at a predetermined searching or listening frequency. The searching or listening frequency is dependent upon the distance of the mobile terminal from the base unit. A threshold is also established beyond which the mobile terminal may discontinue searching or listening for the base unit to conserve battery power or, alternatively, set the searching or listening frequency to a minimum value.

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